

LuÃ-s A N Amaral

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4197482/publications.pdf>

Version: 2024-02-01

209
papers

41,716
citations

10389

72
h-index

3830

178
g-index

216
all docs

216
docs citations

216
times ranked

30370
citing authors

#	ARTICLE	IF	CITATIONS
1	The characteristics of early-stage research into human genes are substantially different from subsequent research. <i>PLoS Biology</i> , 2022, 20, e3001520.	5.6	5
2	The first step is recognizing there is a problem: a methodology for adjusting for variability in disease severity when estimating clinician performance. <i>BMC Medical Research Methodology</i> , 2022, 22, 69.	3.1	0
3	Capturing Phenotypic Manifestations of Severe Pneumonia Through the Human Phenotype Ontology. , 2022, , .		0
4	Conformational stability of the bacterial adhesin, FimH , with an inactivating mutation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 276-288.	2.6	6
5	Spreader events and the limitations of projected networks for capturing dynamics on multipartite networks. <i>Physical Review E</i> , 2021, 103, 022320.	2.1	1
6	Centrality anomalies in complex networks as a result of model over-simplification. <i>New Journal of Physics</i> , 2020, 22, 013043.	2.9	13
7	Developing Machine Learning Models to Identify Acute Respiratory Distress Syndrome Criteria in Electronic Health Records. , 2020, , .		0
8	Fly-QMA: Automated analysis of mosaic imaginal discs in <i>Drosophila</i> . <i>PLoS Computational Biology</i> , 2020, 16, e1007406.	3.2	3
9	How to build a more open justice system. <i>Science</i> , 2020, 369, 134-136.	12.6	14
10	Long-term patterns of gender imbalance in an industry without ability or level of interest differences. <i>PLoS ONE</i> , 2020, 15, e0229662.	2.5	3
11	COVID-19 research risks ignoring important host genes due to pre-established research patterns. <i>ELife</i> , 2020, 9, .	6.0	14
12	Fly-QMA: Automated analysis of mosaic imaginal discs in <i>Drosophila</i> . , 2020, 16, e1007406.		0
13	Fly-QMA: Automated analysis of mosaic imaginal discs in <i>Drosophila</i> . , 2020, 16, e1007406.		0
14	Fly-QMA: Automated analysis of mosaic imaginal discs in <i>Drosophila</i> . , 2020, 16, e1007406.		0
15	Fly-QMA: Automated analysis of mosaic imaginal discs in <i>Drosophila</i> . , 2020, 16, e1007406.		0
16	Title is missing!. , 2020, 15, e0229662.		0
17	Title is missing!. , 2020, 15, e0229662.		0
18	Title is missing!. , 2020, 15, e0229662.		0

#	ARTICLE	IF	CITATIONS
19	Title is missing!. , 2020, 15, e0229662.		0
20	Title is missing!. , 2020, 15, e0229662.		0
21	Title is missing!. , 2020, 15, e0229662.		0
22	Repressive Gene Regulation Synchronizes Development with Cellular Metabolism. Cell, 2019, 178, 980-992.e17.	28.9	24
23	A quantitative approach for the analysis of clinician recognition of acute respiratory distress syndrome using electronic health record data. PLoS ONE, 2019, 14, e0222826.	2.5	6
24	Large-scale analysis of micro-level citation patterns reveals nuanced selection criteria. Nature Human Behaviour, 2019, 3, 568-575.	12.0	13
25	Reply to: Four personality types may be neither robust nor exhaustive. Nature Human Behaviour, 2019, 3, 1047-1048.	12.0	3
26	A universal information theoretic approach to the identification of stopwords. Nature Machine Intelligence, 2019, 1, 606-612.	16.0	31
27	Single-Cell Transcriptomic Analysis of Human Lung Provides Insights into the Pathobiology of Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1517-1536.	5.6	866
28	Title is missing!. , 2019, 14, e0222826.		0
29	Title is missing!. , 2019, 14, e0222826.		0
30	Title is missing!. , 2019, 14, e0222826.		0
31	Title is missing!. , 2019, 14, e0222826.		0
32	A novel framework for evaluating the performance of codon usage bias metrics. Journal of the Royal Society Interface, 2018, 15, 20170667.	3.4	9
33	Diversity of Translation Initiation Mechanisms across Bacterial Species Is Driven by Environmental Conditions and Growth Demands. Molecular Biology and Evolution, 2018, 35, 582-592.	8.9	24
34	Reply to "Far away from the lamppost". PLoS Biology, 2018, 16, e3000075.	5.6	2
35	A robust data-driven approach identifies four personality types across four large data sets. Nature Human Behaviour, 2018, 2, 735-742.	12.0	123
36	Large-scale investigation of the reasons why potentially important genes are ignored. PLoS Biology, 2018, 16, e2006643.	5.6	188

#	ARTICLE	IF	CITATIONS
37	Within-Gene Shine-Dalgarno Sequences Are Not Selected for Function. <i>Molecular Biology and Evolution</i> , 2018, 35, 2487-2498.	8.9	16
38	Economic insecurity and the rise in gun violence at US schools. <i>Nature Human Behaviour</i> , 2017, 1, .	12.0	24
39	Leveraging genome-wide datasets to quantify the functional role of the anti-Shine-Dalgarno sequence in regulating translation efficiency. <i>Open Biology</i> , 2017, 7, 160239.	3.6	23
40	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1492-1500.	3.6	55
41	Long-range correlations and fractal dynamics in <i>C. elegans</i> : Changes with aging and stress. <i>Physical Review E</i> , 2017, 96, 022417.	2.1	13
42	Differences in Collaboration Patterns across Discipline, Career Stage, and Gender. <i>PLoS Biology</i> , 2016, 14, e1002573.	5.6	100
43	Depletion of Shine-Dalgarno Sequences Within Bacterial Coding Regions Is Expression Dependent. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3467-3474.	1.8	18
44	A network approach to discerning the identities of <i>C. elegans</i> in a free moving population. <i>Scientific Reports</i> , 2016, 6, 34859.	3.3	9
45	NullSeq: A Tool for Generating Random Coding Sequences with Desired Amino Acid and GC Contents. <i>PLoS Computational Biology</i> , 2016, 12, e1005184.	3.2	11
46	High-Reproducibility and High-Accuracy Method for Automated Topic Classification. <i>Physical Review X</i> , 2015, 5, .	8.9	45
47	THE CURRENTS BENEATH THE 'RISING TIDE' OF SCHOOL CHOICE: AN ANALYSIS OF STUDENT ENROLLMENT FLOWS IN THE CHICAGO PUBLIC SCHOOLS. <i>Journal of Policy Analysis and Management</i> , 2015, 34, 358-377.	1.4	17
48	The Distribution of the Asymptotic Number of Citations to Sets of Publications by a Researcher or from an Academic Department Are Consistent with a Discrete Lognormal Model. <i>PLoS ONE</i> , 2015, 10, e0143108.	2.5	23
49	Cross-evaluation of metrics to estimate the significance of creative works. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1281-1286.	7.1	30
50	Scaling and optimal synergy: Two principles determining microbial growth in complex media. <i>Physical Review E</i> , 2015, 91, 062703.	2.1	1
51	Correlations between user voting data, budget, and box office for films in the internet movie database. <i>Journal of the Association for Information Science and Technology</i> , 2015, 66, 858-868.	2.9	17
52	Social embeddedness in an online weight management programme is linked to greater weight loss. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20140686.	3.4	25
53	Dynamics and heterogeneity of a fate determinant during transition towards cell differentiation. <i>ELife</i> , 2015, 4, .	6.0	41
54	The Currents Beneath the 'Rising Tide' of School Choice: An Analysis of Student Enrollment Flows in the Chicago Public Schools. <i>SSRN Electronic Journal</i> , 2014, , .	0.4	0

#	ARTICLE	IF	CITATIONS
55	User Behavior and Change. , 2014, , .		2
56	Quantifying Position-Dependent Codon Usage Bias. Molecular Biology and Evolution, 2014, 31, 1880-1893.	8.9	37
57	Adoption of a High-Impact Innovation in a Homogeneous Population. Physical Review X, 2014, 4, 041008.	8.9	32
58	Impact of heterogeneity and socioeconomic factors on individual behavior in decentralized sharing ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15322-15327.	7.1	9
59	Drosophila eye nuclei segmentation based on graph cut and convex shape prior. , 2013, , 670-674.		8
60	Envisioning Sophisticated Electronic Health Records through the Lens of Health Care Reform. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 636-638.	5.6	1
61	Use of a global metabolic network to curate organismal metabolic networks. Scientific Reports, 2013, 3, 1695.	3.3	11
62	Move-by-Move Dynamics of the Advantage in Chess Matches Reveals Population-Level Learning of the Game. PLoS ONE, 2013, 8, e54165.	2.5	12
63	The Impact of Individual Biases on Consensus Formation. PLoS ONE, 2013, 8, e58989.	2.5	5
64	Changes in Task-Related Functional Connectivity across Multiple Spatial Scales Are Related to Reading Performance. PLoS ONE, 2013, 8, e59204.	2.5	14
65	A Solution to the Challenge of Optimization on "Golf-Course"-Like Fitness Landscapes. PLoS ONE, 2013, 8, e78401.	2.5	2
66	Phenomenological Model for Predicting the Catabolic Potential of an Arbitrary Nutrient. PLoS Computational Biology, 2012, 8, e1002762.	3.2	2
67	Macro-level Modeling of the Response of C. elegans Reproduction to Chronic Heat Stress. PLoS Computational Biology, 2012, 8, e1002338.	3.2	33
68	Rationality, Irrationality and Escalating Behavior in Lowest Unique Bid Auctions. PLoS ONE, 2012, 7, e29910.	2.5	29
69	The Possible Role of Resource Requirements and Academic Career-Choice Risk on Gender Differences in Publication Rate and Impact. PLoS ONE, 2012, 7, e51332.	2.5	179
70	Duality between Time Series and Networks. PLoS ONE, 2011, 6, e23378.	2.5	180
71	Moving the Science of Quality Improvement in Critical Care Medicine Forward. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 383-384.	5.6	2
72	The role of body mass in diet contiguity and food-web structure. Journal of Animal Ecology, 2011, 80, 632-639.	2.8	57

#	ARTICLE	IF	CITATIONS
73	Prompting Physicians to Address a Daily Checklist and Process of Care and Clinical Outcomes. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 680-686.	5.6	189
74	Origin of compartmentalization in food webs. Ecology, 2010, 91, 2941-2951.	3.2	126
75	Statistical validation of a global model for the distribution of the ultimate number of citations accrued by papers published in a scientific journal. Journal of the Association for Information Science and Technology, 2010, 61, 1377-1385.	2.6	79
76	The role of mentorship in protÃ©gÃ© performance. Nature, 2010, 465, 622-626.	27.8	130
77	Quantifying the Performance of Individual Players in a Team Activity. PLoS ONE, 2010, 5, e10937.	2.5	236
78	Physically grounded approach for estimating gene expression from microarray data. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13690-13695.	7.1	10
79	Complex Systems View of Educational Policy Research. Science, 2010, 330, 38-39.	12.6	69
80	Moving the Science of Quality Improvement in Critical Care Medicine Forward. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1461-1462.	5.6	13
81	Levels of complexity in scale-invariant neural signals. Physical Review E, 2009, 79, 041920.	2.1	143
82	On Universality in Human Correspondence Activity. Science, 2009, 325, 1696-1700.	12.6	167
83	Price dynamics in political prediction markets. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 679-684.	7.1	34
84	Micro-bias and macro-performance. European Physical Journal B, 2009, 67, 369-375.	1.5	9
85	Detection of node group membership in networks with group overlap. European Physical Journal B, 2009, 67, 277-284.	1.5	40
86	Comparison of methods for the detection of node group membership in bipartite networks. European Physical Journal B, 2009, 72, 671-677.	1.5	10
87	Ecological engineering and sustainability: A new opportunity for chemical engineering. AIChE Journal, 2008, 54, 3040-3047.	3.6	7
88	Chemical amplification in an invaded food web: Seasonality and ontogeny in a high-biomass, low-diversity ecosystem. Environmental Toxicology and Chemistry, 2008, 27, 2186-2195.	4.3	24
89	A Poissonian explanation for heavy tails in e-mail communication. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18153-18158.	7.1	328
90	A truer measure of our ignorance. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6795-6796.	7.1	43

#	ARTICLE	IF	CITATIONS
91	Cascading failure and robustness in metabolic networks. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13223-13228.	7.1	103
92	Effectiveness of Journal Ranking Schemes as a Tool for Locating Information. PLoS ONE, 2008, 3, e1683.	2.5	134
93	Extracting the hierarchical organization of complex systems. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15224-15229.	7.1	465
94	Driving on Cellular Pathway #66. AIP Conference Proceedings, 2007, , .	0.4	0
95	Complex fluctuations and robustness in stylized signalling networks. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P01013-P01013.	2.3	3
96	Module identification in bipartite and directed networks. Physical Review E, 2007, 76, 036102.	2.1	324
97	Evidence for the existence of a robust pattern of prey selection in food webs. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1931-1940.	2.6	167
98	Complex Systemsâ€”A New Paradigm for the Integrative Study of Management, Physical, and Technological Systems. Management Science, 2007, 53, 1033-1035.	4.1	109
99	A network-based method for target selection in metabolic networks. Bioinformatics, 2007, 23, 1616-1622.	4.1	58
100	Evolution of protein families: Is it possible to distinguish between domains of life?. Gene, 2007, 402, 81-93.	2.2	4
101	Smallâ€”world networks and management science research: a review. European Management Review, 2007, 4, 77-91.	3.7	168
102	Quantitative analysis of the local structure of food webs. Journal of Theoretical Biology, 2007, 246, 260-268.	1.7	50
103	Classes of complex networks defined by role-to-role connectivity profiles. Nature Physics, 2007, 3, 63-69.	16.7	363
104	A robust measure of food web intervality. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19015-19020.	7.1	116
105	Lies, damned lies and statistics. Nature Physics, 2006, 2, 75-76.	16.7	40
106	Cartography of complex networks: modules and universal roles. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P02001.	2.3	517
107	Functional cartography of complex metabolic networks. Nature, 2005, 433, 895-900.	27.8	3,086
108	Scaling phenomena in the growth dynamics of scientific output. Journal of the Association for Information Science and Technology, 2005, 56, 893-902.	2.6	24

#	ARTICLE	IF	CITATIONS
109	Novel Collaborations within Experienced Teams Lead to Best Research Outcomes. <i>Annals of Vascular Surgery</i> , 2005, 19, 753-754.	0.9	3
110	Canalizing Kauffman Networks: Nonergodicity and Its Effect on Their Critical Behavior. <i>Physical Review Letters</i> , 2005, 94, 218702.	7.8	59
111	Mesoscopic modeling for nucleic acid chain dynamics. <i>Physical Review E</i> , 2005, 71, 051902.	2.1	40
112	Team Assembly Mechanisms Determine Collaboration Network Structure and Team Performance. <i>Science</i> , 2005, 308, 697-702.	12.6	899
113	The worldwide air transportation network: Anomalous centrality, community structure, and cities' global roles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7794-7799.	7.1	1,377
114	QUANTITATIVE PATTERNS IN THE STRUCTURE OF MODEL AND EMPIRICAL FOOD WEBS. <i>Ecology</i> , 2005, 86, 1301-1311.	3.2	179
115	Heuristic segmentation of a nonstationary time series. <i>Physical Review E</i> , 2004, 69, 021108.	2.1	47
116	Modularity from fluctuations in random graphs and complex networks. <i>Physical Review E</i> , 2004, 70, 025101.	2.1	680
117	Efficient system-wide coordination in noisy environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12085-12090.	7.1	62
118	From The Cover: Emergence of complex dynamics in a simple model of signaling networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15551-15555.	7.1	97
119	Virtual Round Table on ten leading questions for network research. <i>European Physical Journal B</i> , 2004, 38, 143-145.	1.5	43
120	Complex networks. <i>European Physical Journal B</i> , 2004, 38, 147-162.	1.5	394
121	Modeling the world-wide airport network. <i>European Physical Journal B</i> , 2004, 38, 381-385.	1.5	355
122	Complex systems and networks: challenges and opportunities for chemical and biological engineers. <i>Chemical Engineering Science</i> , 2004, 59, 1653-1666.	3.8	48
123	Power law temporal auto-correlations in day-long records of human physical activity and their alteration with disease. <i>Europhysics Letters</i> , 2004, 66, 448-454.	2.0	14
124	Statistical Properties of Commodity Price Fluctuations. , 2004, , 192-197.		1
125	Sexual networks: implications for the transmission of sexually transmitted infections. <i>Microbes and Infection</i> , 2003, 5, 189-196.	1.9	217
126	Sexual contacts and epidemic thresholds. <i>Nature</i> , 2003, 423, 606-606.	27.8	12

#	ARTICLE	IF	CITATIONS
127	Asymmetrical singularities in real-world signals. <i>Physical Review E</i> , 2003, 68, 065204.	2.1	46
128	Similarities between communication dynamics in the Internet and the autonomic nervous system. <i>Europhysics Letters</i> , 2003, 62, 189-195.	2.0	27
129	Analytical solution of a model for complex food webs. <i>Physical Review E</i> , 2002, 65, 030901.	2.1	54
130	Dynamics of sleep-wake transitions during sleep. <i>Europhysics Letters</i> , 2002, 57, 625-631.	2.0	165
131	Extremum Statistics in Scale-Free Network Models. <i>Physical Review Letters</i> , 2002, 89, 268703.	7.8	36
132	Truncation of Power Law Behavior in "Scale-Free" Network Models due to Information Filtering. <i>Physical Review Letters</i> , 2002, 88, 138701.	7.8	172
133	A Random Matrix Theory Approach to Quantifying Collective Behavior of Stock Price Fluctuations. , 2002, , 35-40.		3
134	Scale invariance and universality in economic phenomena. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 2121-2131.	1.8	4
135	Self-organized complexity in economics and finance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2561-2565.	7.1	67
136	Scaling in the growth of geographically subdivided populations: invariant patterns from a continent-wide biological survey. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 627-633.	4.0	33
137	Robust Patterns in Food Web Structure. <i>Physical Review Letters</i> , 2002, 88, 228102.	7.8	245
138	Different scaling behaviors of commodity spot and future prices. <i>Physical Review E</i> , 2002, 66, 045103.	2.1	60
139	Random matrix approach to cross correlations in financial data. <i>Physical Review E</i> , 2002, 65, 066126.	2.1	758
140	Fractal dynamics in physiology: Alterations with disease and aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2466-2472.	7.1	1,731
141	Application of computational statistical physics to scale invariance and universality in economic phenomena. <i>Computer Physics Communications</i> , 2002, 146, 84-92.	7.5	4
142	Quantifying Empirical Economic Fluctuations using the Organizing Principles of Scale Invariance and Universality. , 2002, , 3-11.		0
143	Price fluctuations and Market Activity. , 2002, , 12-17.		0
144	Modelling the Growth Statistics of Economic Organizations. , 2002, , 313-320.		0

#	ARTICLE	IF	CITATIONS
145	Price fluctuations, market activity and trading volume. Quantitative Finance, 2001, 1, 262-269.	1.7	98
146	Small-world networks and the conformation space of a short lattice polymer chain. Europhysics Letters, 2001, 55, 594-600.	2.0	80
147	A model for the growth dynamics of economic organizations. Physica A: Statistical Mechanics and Its Applications, 2001, 299, 127-136.	2.6	49
148	Price fluctuations and market activity. Physica A: Statistical Mechanics and Its Applications, 2001, 299, 137-143.	2.6	34
149	Collective behavior of stock price movements—a random matrix theory approach. Physica A: Statistical Mechanics and Its Applications, 2001, 299, 175-180.	2.6	44
150	Similarities and differences between physics and economics. Physica A: Statistical Mechanics and Its Applications, 2001, 299, 1-15.	2.6	76
151	Quantifying economic fluctuations. Physica A: Statistical Mechanics and Its Applications, 2001, 302, 126-137.	2.6	11
152	Application of statistical physics methods and concepts to the study of science & technology systems. Scientometrics, 2001, 51, 9-36.	3.0	18
153	The web of human sexual contacts. Nature, 2001, 411, 907-908.	27.8	1,384
154	From $1/f$ noise to multifractal cascades in heartbeat dynamics. Chaos, 2001, 11, 641-652.	2.5	431
155	Behavioral-Independent Features of Complex Heartbeat Dynamics. Physical Review Letters, 2001, 86, 6026-6029.	7.8	305
156	Scale Invariance in the Nonstationarity of Human Heart Rate. Physical Review Letters, 2001, 87, 168105.	7.8	222
157	Financial time series: A physics perspective. AIP Conference Proceedings, 2000, , ,	0.4	0
158	Econophysics: financial time series from a statistical physics point of view. Physica A: Statistical Mechanics and Its Applications, 2000, 279, 443-456.	2.6	138
159	Scale invariance and universality: organizing principles in complex systems. Physica A: Statistical Mechanics and Its Applications, 2000, 281, 60-68.	2.6	100
160	Scale invariance and universality of economic fluctuations. Physica A: Statistical Mechanics and Its Applications, 2000, 283, 31-41.	2.6	46
161	Scaling and correlation in financial time series. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 362-373.	2.6	123
162	A random matrix theory approach to financial cross-correlations. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 374-382.	2.6	104

#	ARTICLE	IF	CITATIONS
163	Quantifying fluctuations in economic systems by adapting methods of statistical physics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 287, 339-361.	2.6	24
164	Classes of small-world networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 11149-11152.	7.1	2,455
165	ECONOPHYSICS: WHAT CAN PHYSICISTS CONTRIBUTE TO ECONOMICS?. <i>International Journal of Theoretical and Applied Finance</i> , 2000, 03, 335-346.	0.5	9
166	THE DISTRIBUTION OF RETURNS OF STOCK PRICES. <i>International Journal of Theoretical and Applied Finance</i> , 2000, 03, 365-369.	0.5	19
167	APPLICATION OF RANDOM MATRIX THEORY TO STUDY CROSS-CORRELATIONS OF STOCK PRICES. <i>International Journal of Theoretical and Applied Finance</i> , 2000, 03, 399-403.	0.5	14
168	PhysioBank, PhysioToolkit, and PhysioNet. <i>Circulation</i> , 2000, 101, E215-20.	1.6	10,241
169	Economic fluctuations and anomalous diffusion. <i>Physical Review E</i> , 2000, 62, R3023-R3026.	2.1	210
170	Fluctuations and their correlations in econophysics. , 1999, , 197-210.		2
171	Environmental Changes, Coextinction, and Patterns in the Fossil Record. <i>Physical Review Letters</i> , 1999, 82, 652-655.	7.8	60
172	Small-World Networks: Evidence for a Crossover Picture. <i>Physical Review Letters</i> , 1999, 82, 3180-3183.	7.8	254
173	Econophysics: Can physicists contribute to the science of economics?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 269, 156-169.	2.6	143
174	Application of statistical physics to heartbeat diagnosis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 274, 99-110.	2.6	102
175	Statistical physics and physiology: Monofractal and multifractal approaches. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 270, 309-324.	2.6	323
176	Multifractality in human heartbeat dynamics. <i>Nature</i> , 1999, 399, 461-465.	27.8	1,474
177	Similarities between the growth dynamics of university research and of competitive economic activities. <i>Nature</i> , 1999, 400, 433-437.	27.8	147
178	Sleep-wake differences in scaling behavior of the human heartbeat: Analysis of terrestrial and long-term space flight data. <i>Europhysics Letters</i> , 1999, 48, 594-600.	2.0	223
179	Universal and Nonuniversal Properties of Cross Correlations in Financial Time Series. <i>Physical Review Letters</i> , 1999, 83, 1471-1474.	7.8	913
180	Scaling of the distribution of price fluctuations of individual companies. <i>Physical Review E</i> , 1999, 60, 6519-6529.	2.1	466

#	ARTICLE	IF	CITATIONS
181	Scaling of the distribution of fluctuations of financial market indices. <i>Physical Review E</i> , 1999, 60, 5305-5316.	2.1	745
182	Scaling the volatility of GDP growth rates. <i>Economics Letters</i> , 1998, 60, 335-341.	1.9	129
183	Inverse cubic law for the distribution of stock price variations. <i>European Physical Journal B</i> , 1998, 3, 139-140.	1.5	498
184	Stochastic feedback and the regulation of biological rhythms. <i>Europhysics Letters</i> , 1998, 43, 363-368.	2.0	223
185	Universal Features in the Growth Dynamics of Complex Organizations. <i>Physical Review Letters</i> , 1998, 81, 3275-3278.	7.8	225
186	Comment on "Kinetic Roughening in Slow Combustion of Paper": <i>Physical Review Letters</i> , 1998, 80, 5706-5706.	7.8	9
187	Scale-Independent Measures and Pathologic Cardiac Dynamics. <i>Physical Review Letters</i> , 1998, 81, 2388-2391.	7.8	126
188	Power Law Scaling for a System of Interacting Units with Complex Internal Structure. <i>Physical Review Letters</i> , 1998, 80, 1385-1388.	7.8	231
189	Scale-invariant correlations in the biological and social sciences. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998, 77, 1373-1388.	0.6	10
190	Universality classes for rice-pile models. <i>Physical Review E</i> , 1997, 56, 231-234.	2.1	18
191	Impurity-induced diffusion bias in epitaxial growth. <i>Physical Review E</i> , 1997, 55, 7785-7788.	2.1	9
192	Scaling behavior in economics: The problem of quantifying company growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 244, 1-24.	2.6	68
193	Anomalous fluctuations in the dynamics of complex systems: from DNA and physiology to econophysics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 224, 302-321.	2.6	199
194	Scaling and universality in animate and inanimate systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 231, 20-48.	2.6	42
195	Energy avalanches in a rice-pile model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 231, 608-614.	2.6	17
196	Scaling behaviour in the growth of companies. <i>Nature</i> , 1996, 379, 804-806.	27.8	637
197	AVALANCHES IN THE DIRECTED PERCOLATION DEPINNING AND SELF-ORGANIZED DEPINNING MODELS OF INTERFACE ROUGHENING. <i>Fractals</i> , 1996, 04, 307-319.	3.7	5
198	Self-organized criticality in a rice-pile model. <i>Physical Review E</i> , 1996, 54, R4512-R4515.	2.1	33

#	ARTICLE	IF	CITATIONS
199	SCALING AND UNIVERSALITY IN LIVING SYSTEMS. Fractals, 1996, 04, 427-451.	3.7	12
200	CAN STATISTICAL PHYSICS CONTRIBUTE TO THE SCIENCE OF ECONOMICS?. Fractals, 1996, 04, 415-425.	3.7	37
201	Avalanches and the directed percolation depinning model: Experiments, simulations, and theory. Physical Review E, 1995, 51, 4655-4673.	2.1	57
202	Scaling properties of driven interfaces in disordered media. Physical Review E, 1995, 52, 4087-4104.	2.1	82
203	Dynamics of Surface Roughening with Quenched Disorder. Physical Review Letters, 1995, 74, 4205-4208.	7.8	27
204	New exponent characterizing the effect of evaporation on imbibition experiments. Physical Review Letters, 1994, 72, 641-644.	7.8	43
205	Universality classes for interface growth with quenched disorder. Physical Review Letters, 1994, 73, 62-65.	7.8	105
206	ANOMALOUS INTERFACE ROUGHENING: THE ROLE OF A GRADIENT IN THE DENSITY OF PINNING SITES. Fractals, 1993, 01, 818-826.	3.7	8
207	Monte Carlo simulation of the methylchloride liquid-vapour interface. Journal of Physics Condensed Matter, 1993, 5, 1919-1934.	1.8	4
208	Dynamics of temporal correlation in daily Internet traffic. , 0, , .		9
209	A cautionary tale from the machine scientist. Nature Machine Intelligence, 0, , .	16.0	0